

Deduction Mysteries

CASE 01

A confidential memo was taken from the CEO office of Quartermaine & Associates between 15:45 and 18:15. The operation required technical training. Five people had any plausible connection: Gemma (facilities coordinator), Zoltan (IT administrator), Dario (executive assistant), Leander (CFO), Nadia (senior engineer).

Q Who took the confidential memo?

1. Leander was documented by the printer log in a different building during the window.
2. Dario claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
3. The corporate theft required technical training – only Zoltan and Dario have this among the five.
4. Gemma was documented by the security badge log in a different building during the window.
5. The CEO office is normally accessed only via elevator key, and Dario's elevator key was used at 15:45.
6. Nadia was at the main office the entire window during the window.
7. Zoltan's elevator log confirms they were at the remote facility from 15:45 to 18:15.

CASE 02

A register cash was taken from the outdoor patio of Aldermarsh Bistro between 14:30 and 17:15. The operation required specialized access privileges. Five people had any plausible connection: Jian (server), Polina (dishwasher), Hiroshi (sommelier), Amelia (head chef), Bjorn (bartender).

Q Who took the register cash?

1. Hiroshi's manager key was not used at any point during the window.
2. Polina was documented by the kitchen camera in a different building during the window.
3. Amelia claims to have been working alone in their office during the window. No supporting evidence has been provided.
4. The outdoor patio is normally accessed only via master key, and Amelia's register code was used at 14:30.
5. Bjorn's front-of-house camera confirms they were at the external office from 14:30 to 17:15.
6. Jian was at the external facility the entire window during the window.
7. Hiroshi was at a scheduled training course during the window.

CASE 03

A SSL certificate was extracted from the network closet of Solstice Labs between 14:40 and 17:10. The operation required authorized credentials. Five people had any plausible connection: Octavia (support lead), Mira (senior engineer), Idris (intern), Aaliyah (DevOps lead), Polina (contractor).

Q Who extracted the SSL certificate?

1. Octavia was documented by the MFA token log in a different building during the window.
2. The data theft required authorized credentials – only Mira and Idris have this among the five.
3. The network closet is normally accessed only via admin token, and Mira's SSH key was used at 14:40.
4. Aaliyah was documented by the witness colleague in a different building during the window.
5. Idris's MFA token log confirms they were at the off-site location from 14:40 to 17:10.
6. Polina was at a scheduled conference call during the window.
7. Polina's VPN credentials was not used at any point during the window.
8. Mira claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

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CASE 04

A rare vintage tool was taken from the paint booth of Helix Restoration between 14:40 and 17:15. The operation required technical training. Five people had any plausible connection: Mira (shop manager), Bao (master mechanic), Saoirse (apprentice), Xanthe (electrician), Aiko (parts clerk).

Q Who took the rare vintage tool?

1. Xanthe's door sensor confirms they were at the remote facility from 14:40 to 17:15.
2. The paint booth is normally accessed only via shop key, and Mira's parts-room code was used at 14:40.
3. Saoirse was at the main office the entire window during the window.
4. Mira claims to have been working alone in their office during the window. No supporting evidence has been provided.
5. Bao was documented by the time-clock log in a different building during the window.
6. The theft required technical training – only Xanthe and Mira have this among the five.
7. Aiko was at a scheduled training course during the window.

 A) Bao B) Mira C) Xanthe D) Aiko E) Saoirse

CASE 05

The quarterly financials were extracted from the server farm of Meridian Data between 13:15 and 16:15. The operation required authorized credentials. Five people had any plausible connection: Odell (DevOps lead), Ilya (contractor), Zoltan (data scientist), Quincy (site-reliability engineer), Cosima (support lead).

Q Who extracted the quarterly financials?

1. Odell was at the front desk the entire window during the window.
2. Zoltan was at the front desk the entire window during the window.
3. Cosima claims to have been working alone in their office during the window. No supporting evidence has been provided.
4. Quincy's MFA device was not used at any point during the window.
5. The data theft required authorized credentials – only Cosima and Ilya have this among the five.
6. The server farm is normally accessed only via SSH key, and Cosima's badge was used at 13:15.
7. Ilya's VPN session log confirms they were at the external office from 13:15 to 16:15.

CASE 06

An illuminated codex was taken from the staff workroom of Pemberton Research Library between 13:10 and 16:30. The operation required expert knowledge of the system. Five people had any plausible connection: Diallo (intern), Faye (head librarian), Tomas (volunteer), Oren (cataloger), Penelope (visiting scholar).

Q Who took the illuminated codex?

1. Penelope's vault key was not used at any point during the window.
2. Penelope was at the main office the entire window during the window.
3. Tomas's badge swipe confirms they were at the off-site location from 13:10 to 16:30.
4. The theft required expert knowledge of the system – only Faye and Tomas have this among the five.
5. Oren was at the front desk the entire window during the window.
6. Diallo was at a scheduled training course during the window.
7. Faye claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

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CASE 07

The adoption papers were taken from the cataloging room of Aldermarsh County Archive between 13:00 and 16:30. The operation required technical training. Five people had any plausible connection: Mateo (conservation specialist), Enzo (researcher), Dario (security officer), Eleni (genealogist), Daphne (records administrator).

Q Who took the adoption papers?

1. Enzo was documented by the reading-room sign-in in a different building during the window.
2. Eleni claims to have been out for a long break during the window. No supporting evidence has been provided.
3. Dario's archive badge was not used at any point during the window.
4. Dario was at a scheduled conference call during the window.
5. Mateo's archive log confirms they were at the remote facility from 13:00 to 16:30.
6. The cataloging room is normally accessed only via research-room pass, and Eleni's archive badge was used at 13:00.
7. The theft required technical training – only Eleni and Mateo have this among the five.

CASE 08

A restricted-area code was taken from the medication closet of Brierfield Hospital between 15:20 and 18:30. The operation required expert knowledge of the system. Five people had any plausible connection: Finnegan (social worker), Olive (head nurse), Aurora (security officer), Mateo (janitor), Bram (pharmacist).

Q Who took the restricted-area code?

1. Aurora was at the main office the entire window during the window.
2. Finnegan was at a scheduled training course during the window.
3. The theft required expert knowledge of the system – only Olive and Mateo have this among the five.
4. Bram was documented by the door sensor in a different building during the window.
5. Olive's elevator log confirms they were at the off-site location from 15:20 to 18:30.
6. The medication closet is normally accessed only via hospital badge, and Mateo's pharmacy key was used at 15:20.
7. Mateo claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

CASE 09

A sound-system controller was taken from the sound booth of Pemberton Opera House between 13:20 and 16:00. The operation required required certifications. Five people had any plausible connection: Cyrus (understudy), Bayan (director), Joaquin (box-office manager), Quentin (stagehand), Etienne (prop master).

Q Who took the sound-system controller?

1. Bayan's stage door camera confirms they were at the remote facility from 13:20 to 16:00.
2. Cyrus's director's key was not used at any point during the window.
3. The sound booth is normally accessed only via prop-room code, and Joaquin's backstage pass was used at 13:20.
4. Joaquin claims to have been out for a long break during the window. No supporting evidence has been provided.
5. The theft required required certifications – only Joaquin and Bayan have this among the five.
6. Cyrus was at a scheduled external meeting during the window.
7. Etienne was at the external facility the entire window during the window.

Answer Key – Deduction Mysteries

Solve before peeking. Correct suspect and key reasoning steps below.

Case 01 D) Dario

- ☒ The corporate theft required technical training.
 - ☒ Gemma lacks the required skill – cleared.
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Case 02 C) Amelia

- ☒ The theft required specialized access privileges.
 - ☒ Jian lacks the required skill – cleared.
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Case 03 C) Mira

- ☒ The data theft required authorized credentials.
 - ☒ Octavia lacks the required skill – cleared.
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Case 04 B) Mira

- ☒ The theft required technical training.
 - ☒ Bao lacks the required skill – cleared.
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Case 05 C) Cosima

- ☒ The data theft required authorized credentials.
 - ☒ Odell lacks the required skill – cleared.
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Case 06 B) Faye

- ☒ The theft required expert knowledge of the system.
 - ☒ Diallo lacks the required skill – cleared.
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Case 07 A) Eleni

- ☒ The theft required technical training.
 - ☒ Enzo lacks the required skill – cleared.
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Case 08 C) Mateo

- ☒ The theft required expert knowledge of the system.
 - ☒ Finnegan lacks the required skill – cleared.
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Case 09 E) Joaquin

- ☒ The theft required required certifications.
 - ☒ Cyrus lacks the required skill – cleared.
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